

# **ATTACHMENT “B”-STATEMENT OF BASIS**

**Commonwealth of Kentucky  
Division for Air Quality**

## ***PERMIT STATEMENT OF BASIS***

DRAFT PERMIT No. F-01-006  
MOUNTAINEER FURNITURE MANUFACTURING  
149 HWY. 7 NORTH, ISOM, KY.  
FEBRUARY 9, 2001  
FROUGH SHERWANI, REVIEWER  
PLANT I.D. # 021-133-00101

**SOURCE DESCRIPTION:**

Mountaineer Furniture Manufacturing will manufacture various size wood furniture pieces. The plant has four spray booths for different operations. Lacquer thinner (LT-0117) is used as thinner and cleaning. The plant has a boiler to space heat the manufacturing facility. Waste wood from the plant is used as a fuel

Binks Conventional Spray Gun is used for the spray operations.

**Emission Points 01:**

**MP1:            Stain Booth**  
**MP2:            Clean Up**

This emission point is a spray booth. Various colour stains ( WM-12300) are used at this point. Coating is mixed with 10% Lacquer thinner(LT – 0117). . Lacquer thinner (LT-0117) is used as thinner and cleaning. The maximum capacity of the spray gun is 9 gallons per hour. The transfer capacity of the gun is 60%. There is a exhaust filter to control particulate emission. The control efficiency of the filter is 95%.

**Emission Points 02:**

**MP1:            Sealer Booth**  
**MP2:            Clean Up**

This emission point is a spray booth. Sanding Sealer ( LS-0304-A) is used at this point. Coating is mixed with 10% Lacquer thinner(LT – 0117). . Lacquer thinner (LT-0117) is used as thinner and cleaning. The maximum capacity of the spray gun is 9 gallons per hour. The transfer capacity of the gun is 60%. There is a exhaust filter to control particulate emission. The control efficiency of the filter is 95%.

**Emission Points 03:**

**MP1:            Sealer Booth**  
**MP2:            Clean Up**

This emission point is a spray booth. Sanding Sealer ( LS-0304-A) is used at this point. Coating is mixed with 10% Lacquer thinner(LT – 0117). . Lacquer thinner (LT-0117) is used as thinner and cleaning. The maximum capacity of the spray gun is 9 gallons per hour. The transfer capacity of the gun is 60%. There is a exhaust filter to control particulate emission. The control efficiency of the filter is 95%.

**Emission Points 04:**

**MP1:            lacquer Booth**  
**MP2:            Clean Up**

This emission point is a spray booth. lacquer (LF-0546) is used at this point. Coating is mixed with 10% Lacquer thinner(LT – 0117). Lacquer thinner (LT-0117) is used as thinner and cleaning. The maximum capacity of the spray gun is 9 gallons per hour. The transfer capacity of the gun is 60%. There is a exhaust filter to control particulate emission. The control efficiency of the filter is 95%.

**Emission Points 05:**

This emission point is a boiler to heat the manufacturing facility. The rated capacity is 0.9 mmBTU/hr. The wastewood from the plant is used as fuel. This is an insignificant activity.

**Emission Points 06:**

This emission point is a woodworking. The consumption of the wood is 18 tons/hr. There is a baghouse to control particulate emission. The control efficiency of the baghouse is 99.5%. This is an insignificant activity.

**COMMENTS:**

**Emission factors and their source:**

AP –42 is used for the emission factors for PM, VOC and HAPS.

**Applicable regulation:**

State regulation 401 KAR 59:010, New process operations, applies to these emissions points because these are process operations that were commenced after July 2, 1975.

**EMISSION AND OPERATING CAPS DESCRIPTION:**

The actual emissions of HAPS for a single pollutant shall not exceed 9.0 tons per year. The combined emissions for HAPs shall not exceed 22.5 tons per year. The actual VOC emissions shall not exceed 90.0 tons per year. These annual limitations shall not be exceeded during any consecutive twelve months period for the entire source.

**CREDIBLE EVIDENCE:**

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements. At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.